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Message Text

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63
ACTION EUR-12

INFO OCT-01 ISO-00 FEA-01 ACDA-10 CEQ-01 CIAE-00 DOTE-00

EPA-04 HEW-06 HUD-02 INR-07 INT-05 L-02 NSAE-00

NSC-05 NSF-02 OIC-02 PA-02 PM-03 PRS-01 SAJ-01 OES-05

SP-02 SS-15 TRSE-00 USIA-15 NRC-07 ERDA-07 CG-00 /118 W
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R 161540Z APR 75
FM USMISSION NATO
TO SECSTATE WASHDC 1237
INFO USMISSION EC BRUSSELS
AMEMBASSY OTTAWA
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AMEMBASSY PARIS
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AMEMBASSY THE HAGUE
AMEMBASSY LONDON
AMEMBASSY COPENHAGEN
USMISSION OECD PARIS
AMEMBASSY REYKJAVIK
AMEMBASSY ANKARA
AMEMBASSY ATHENS
AMEMBASSY LUXEMBOURG
AMEMBASSY LISBON
AMEMBASSY OSLO

UNCLAS USNATO 2079

DEPT PLEASE PASS HUD FOR ROTHENBERG AND EPA FOR F. ALLEN HARRIS

E.O. 11652: N/A
TAGS: CCMS, SENV, ENRG
SUBJECT: CCMS: SPRING 1975 PLENARY; RATIONAL USE OF ENERGY - MODULAR INTEGRATED UTILITY SYSTEMS (MIUS) PROJECT; MIUS EXPERTS MEETING AT NATO, APRIL 10-11, 1975

REF: (A) STATE 65462; (B) STATE 58899 (NOTAL)
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SUMMARY: US CCMS DEL REPORTED TO PLENARY ON PROGRESS TO DATE IN MIUS PROJECT, UNDER US-LED CCMS PILOT STUDY ON RATIONAL USE OF ENERGY. FOLLOWING PLENARY, EXPERTS FROM SEVEN ALLIED COUNTRIES MET AT NATO TO INAUGURATE ACTION PHASE OF MIUS PROJECT AND DEVELOP

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AGREED WORK PROGRAM. DETAILS BELOW. END SUMMARY.

1. US CCMS DEL (JEROME ROTHENBERG, MIUS PROGRAM MGR., HUD)
REPORTED TO PLENARY ON PROGRESS TO DATE IN MIUS PROJECT.
ROTHENBERG DESCRIBED MIUS CONCEPT AS ENERGY-EFFICIENT COMBINED
SET OF UTILITY SUB-SYSTEMS TO PROVIDE NEEDED SERVICES SUCH AS
ELECTRIC POWER GENERATION, SPACE HEATINGAND COOLING, SOLID WASTE
MANAGEMENT, POTABLE WATER AND WASTE WATER TREATMENT FOR BUILDINGS
AND COMMUNITIES. MIUS RECOVERS 40-60 PER CENT OF ENERGY USUALLY WASTE
D
IN ELECTRIC POWER GENERATION, REDUCING FUEL REQUIREMENTS AS WELL
AS REDUCING POLLUTION TO BOTH THE AIR AND WATER ENVIRONMENT.
DEMONSTRATION PROJECTS OF THE U.S. DEPARTMENT OF HOUSING AND
URBAN DEVELOPMENT WILL PROVIDE A FOCAL POINT FOR QUANTITATIVE
EVALUATION OF OPERATING DATA. SYSTEMS OF A SIMILAR NATURE ARE
IN USE IN SEVERAL COUNTRIES AND OTHERS ARE PROPOSED. A
U.S. TEAM VISITED NINE EUROPEAN COUNTRIES IN DECEMBER 1974
TO SURVEY FACILITIES AND DISCUSS PROJECT POSSIBILITIES.
DURING THESE VISITS THE U.S. AGREED TO DEVELOP A GLOSSARY OF
TERMS FOR MIUS WHICH WOULD BE DISCUSSED AT THE APRIL 10-11 EXPERTS
MEETING (SEE PARA 2 BELOW) AT NATO FOLLOWING THE PLENARY TO DEVELOP
SPECIFICS OF MIUS PROJECT ACTION PROGRAM. (REF B).

2. EXPERTS FROM SEVEN ALLIED COUNTRIES B(BELGIUM, CANADA, FRG,
FRANCE, ITALY, NETHERLANDS AND US), PLUS OBERVER FROM EUROPEAN
COMMUNITIES, MET AT NATO ON APRIL 10-11 UNDER CHAIRMANSHIP OF
MR. CLINTON PHILLIPS, U.S. BUREAU OF STANDARDS. DANISH EXPERT
(KORSGAARD) WHO ATTENDED PLENARY WAS UNABLE REMAIN FOR MIUS
MEETING, BUT DENMARK IS EXPECTED TO PARTICIPATE IN PROJECT.
FOLLOWING WERE RESULTS OF MEETING:

A. PARTICIPANTS CONDUCTED TECHNICAL REVIEW OF GLOSSARY OF
TERMS, DEVELOPED BY U.S., TO FACILITATE EFFECTIVE TRANSFER OF
DATA FROM EVALUATION OF THE NUMEROUS RESEARCH AND DEMONSTRATION
PROJECTS RELATED TO THE MIUS CONCEPT UNDERWAY OR PLANNED IN THE
PARTICIPATING COUNTRIES. THE U.S. WILL SEND A REVISED DRAFT TO
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ALL PARTICIPANTS FOR FURTHER REVIEW.

B. A DRAFT OF A METHODOLOGY FOR EVALUATION OF MIUS OR
MIUS SUB-SYSTEM DEMONSTRATION PROJECTS WILL BE PREPARED BY THE
U.S. AND CIRCULATED TO PARTICIPANTS FOR REVIEW AND COMMENT PRIOR
TO THE NEXT MIUS PROJECTMEETING. THIS TASK INCLUDES DEVELOP-
MENT OF A SHORT FORMAT FOR PROJECT DESCRIPTION.

C. REPRESENTATIVES PRESENT WERE GIVEN UPDATED TECHNICAL
BRIEFING ON PROGRESS ON THREE U.S. MIUS-RELATED DEMONSTRATION
PROJECTS SPONSORED BY HUD:

1) TOTAL ENERGY PLANT AT JERSEY CITY, N.J.
2) MIUS TEST FACILITY, HOUSTON, TEXAS

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3) A PLANNED RESIDENTIAL MIUS DEMONSTRATION

D. A DRAFT MEMORANDUM OF UNDERSTANDING AMONG MIUS PROJECT PARTICIPANTS WAS DISCUSSED AND COPIES WERE TAKEN BY REPRESENTATIVES PRESENT FOR FURTHER CONSIDERATION BY PARTICIPATING COUNTRIES. PARTICIPATING COUNTRIES WERE REQUESTED TO NAME PERSONS TO SERVE AS CONTINUING CONTACTS FOR THE PROJECT.

E. DATA FROM ONGOING AND PLANNED DEMONSTRATIONS AND MODELLING STUDIES WERE OFFERED FOR USE BY PARTICIPATING COUNTRIES IN EVALUATING PROPOSED MIUS INSTALLATIONS FOR ECONOMIC, ENERGY-EFFICIENT AND ENVIRONMENTAL SUITABILITY.

F. CURRENT AND PLANNED WORK ON MIUS-RELATED TECHNOLOGY IN EACH COUNTRY WAS DESCRIBED BY THE EXPERTS PRESENT. PROJECTS DESCRIBED INCLUDED IMPROVED DISTRICT HEATING, SYSTEM EVALUATION TECHNIQUES, HEAT RECOVERY POWER GENERATING PLANTS, LOAD PROFILE PREDICTION TECHIQUES, RELIABILITY ANALYSIS AND MEASUREMENT OF BUILDING POWER/HEATING DEMANDS. THE EXPERTS IDENTIFIED SEVERAL PROBLEMS WHICH SHOULD BE STUDIED, INCLUDING IMPROVED ECONOMIC ANALYSIS TECHNIQUES FOROIUS, INSTITUTIONAL CHANGES NEEDED TO ACCOMMODATE MIUS INSTALLATIONS, NEED FOR MORE COMPARATIVE DATA WITH RESPECT TO MIUS AND CONVENTIONAL SYSTEMS, AND EVALUATION OF MIUS WHEN SUMMER COOLING LOADS ARE LOW OR NOT NEEDED.

G. THE PROJECT GROUP AGREED TO SCHEDULE THE NEXT MEETING
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TO PRECEDE THE OCTOBER 14-15, 1975 CCMS FALL PLENARY.
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Message Attributes

Automatic Decaptioning: X
Capture Date: 18 AUG 1999
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 16 APR 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975NATO02079
Document Source: ADS
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: n/a
Film Number: n/a
From: NATO
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t197504101/abbrzjkg.tel
Line Count: 144
Locator: TEXT ON-LINE
Office: n/a
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: (A) STATE 65462; (B) STATE 58899 (NOTAL)
Review Action: RELEASED, APPROVED
Review Authority: ShawDG
Review Comment: n/a
Review Content Flags:
Review Date: 14 OCT 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <14 OCT 2003 by buchantr>; APPROVED <02 JAN 2004 by ShawDG>
Review Markings:

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EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: CCMS: SPRING 1975 PLENARY; RATIONAL USE OF ENERGY - MODULAR INTEGRATED UTILITY SYSTEMS (MIUS) PROJECT; MIUS EXPERTS MEETING AT NATO, APRIL 10-11, 1975
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To: STATE INFO EC BRUSSELS
OTTAWA
BONN
PARIS
ROME

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THE HAGUE
LONDON
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OECD PARIS
REYKJAVIK
ANKARA
ATHENS
LUXEMBOURG
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